

# DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

Regulatory Division

NOV 0 6 2006

## DEPARTMENT OF THE ARMY

# REGIONAL GENERAL PERMIT SAJ-14 SAJ-2005-9981 (SLS)

# SUBAQUEOUS UTILITY AND TRANSMISSION LINES IN FLORIDA

Upon recommendation of the Chief of Engineers, pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. § 403) and Section 404 of the Clean Water Act (33 U.S.C. § 1344), general authority is given for activities required for the installation, construction, maintenance, replacement, and repair of subaqueous utility and transmission lines, and outfall and intake structures associated with utility lines in all waters of the United States in the State of Florida. Authority is also given for discharges associated with the construction, maintenance, replacement, and repair of substations, and access roads for the construction and maintenance of the subaqueous utility and transmission lines but only in non-navigable waters of the United States in the State of Florida. The SAJ-14 is subject to the following special and general conditions:

# **SPECIAL CONDITIONS:**

- 1. The work herein authorized includes activities required for the installation, construction, maintenance, replacement, and repair of subaqueous utility and transmission lines, outfall and intake structures associated with the utility line, substations, and access roads for the construction and maintenance of same.
- 2. No work shall be performed until the applicant submits satisfactory plans for the proposed activity and receives written authorization from the District Engineer.
- 3. No work shall be authorized by SAJ-14 in waters of the United States within the following areas:
  - a. Monroe County.
  - b. Timucuan Ecological and Historical Preserve (Duval County); American Crocodile Critical Habitat, Biscayne Bay National Park Protection Zone (Miami-Dade County); the St. Lucie Impoundment (Palm Beach County), and areas identified in the Wild and Scenic Rivers Act (16 U.S.C. 1317, et seq.): the St. Mary's River, from its headwaters to its confluence with the Bells River; the entire Wekiva River, including Wekiva Springs Run, Rock Springs

Run, the entire Seminole Creek, and Black Water Creek from its outfall at Lake Norris to its confluence with the Wekiva River; the Loxahatchee River from Riverbend Park downstream to Jonathan Dickinson State Park; all areas regulated under the Lake Okeechobee and Okeechobee Waterway Shoreline Management Plan, located between St. Lucie Lock in Martin County and W.P. Franklin Lock in Lee County.

- c. The following state parks: John Pennekamp Coral Reef State Park; Lignum Vitae Key State Botanical Site and Aquatic Preserve; Long Key State Park; Curry Hammock State Park; and Bahia Honda State Park.
- d. Guana Tolomato Matanzas National Estuarine Research Reserve (St. Johns and Flagler Counties)
- 4. In accordance with Section 7 of the Endangered Species Act, projects proposed within the following areas cannot be authorized until consultation on the project has been concluded with the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service, as appropriate: within 660 feet of an active or inactive bald eagle's nest (see state wildlife data base at www.wld.fwc.state.fl.us/eagle/eaglenests), and project does not incorporate the June 2006 Bald eagle guidelines (see www.fws.gov/northflorida); within 18.6 miles of a wood stork rookery and project does not incorporate the wood stork guidelines (see http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm); within ½ mile of an active red-cockaded woodpecker colony site; in the Atlantic Ocean or Gulf of Mexico or on or contiguous to Atlantic Ocean or Gulf of Mexico beaches; within the Florida panther consultation area (S.W. Florida)(see http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm); within Northern right whale designated critical habitat (see http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm); within (below MHW or OHW) Gulf sturgeon designated critical habitat (see http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm); within (below MHW) Johnson's seagrass designated critical habitat (see http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm); or within the following rivers, creeks, and their tributaries: Escambia River, Yellow River, Choctawhatchee River, Chipola River, Apalachicola River, Ochlockonee River, and Econfina Creek (all in the Florida panhandle), and the Suwannee River. Note: The eagle conditions may be subject to revision at any time. It is our intention that the most recent version of these conditions will be utilized during the evaluation of the permit application.
- 5. Prior to verification of authorization, the dichotomous key titled, "The Corps of Engineers, Jacksonville District, and the State of Florida Effect Determination Key for the Manatee in Florida, July 2005," (see <a href="http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm">http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm</a>) will be used to determine potential manatee impacts. Those determined to be a "may affect" to the manatee will not be authorized until consultation on the project has been

concluded with the U.S. Fish and Wildlife Service in accordance with the Endangered Species Act. Additionally, depending on the location of the project, some projects determined to be "may affect, not likely to adversely affect" will not be authorized until consultation on the project has been concluded. *Note: The manatee key may be subject to revision at any time. It is our intention that the most recent version of this technical tool will be utilized during the evaluation of the permit application.* 

- 6. For projects in, over, and/or under waters accessible to manatees, the permittee will utilize the "Standard Manatee Conditions for In-Water Work, July 2005," (see <a href="http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm">http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm</a>) and/or requirements, as appropriate for the proposed activity. *Note: The manatee conditions may be subject to revision at any time. It is our intention that the most recent version of these conditions will be utilized during the evaluation of the permit application.*
- 7. For projects in waters accessible to sea turtles, Smalltooth sawfish, Gulf sturgeon, or Shortnose sturgeon, the permittee will utilize the "Sea Turtle and Smalltooth Sawfish Construction Conditions" (see <a href="http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm">http://www.saj.usace.army.mil/permit/Endangered Species/end species index.htm</a>) and/or requirements, as appropriate for the proposed activity. *Note: These conditions may be subject to revision at any time. It is our intention that the most recent version of these conditions will be utilized during the evaluation of the permit application.*
- 8. To ensure minimal impacts to the Eastern indigo snake (*Drymarchon corais couperi*), for all projects proposed in Eastern indigo snake habitat, the permittee shall implement the U.S. Fish and Wildlife Service's "Standard Indigo Snake Protection Measures" (see <a href="http://www.fws.gov/northflorida/IndigoSnakes/east-indigo-snake-measures-071299.htm">http://www.fws.gov/northflorida/IndigoSnakes/east-indigo-snake-measures-071299.htm</a>).
- 9. Where a project is proposed in a county where any of the following species has been recorded, no authorization under SAJ-14 shall be given for any project until the applicant surveys the project site for their presence: 1) Sand skink, Bluetail mole skink, Flatwoods salamander; Everglades snail kite, Florida scrub jay, Florida grasshopper sparrow, Audubon's crested caracara, Cape Sable seaside sparrow, Highlands tiger beetle, Miami blue butterfly, Schaus swallowtail butterfly, and 2) any Federally listed plant species. The counties where these species are likely to be found are presented in Tables 1 and 2 (attached). If any of these species are found within the project site, no activity will be authorized until consultation on the project has been concluded with the U.S. Fish and Wildlife Service in accordance with the Endangered Species Act.
- 10. This permit has undergone consultation with U.S. Fish and Wildlife Service (FWS) and the National Marine Fisheries Service (NMFS) on the listed species and any designated critical habitat listed on Table 3 (attached). If the proposed activity requires additional Section 7 consultation under the Endangered Species Act with the FWS

and/or NMFS on: 1) these or any other Federally listed threatened or endangered species or a species proposed for such designation; or 2) designated critical habitat for these or any other Federally listed threatened or endangered species or habitat proposed to be designated as critical habitat for any Federally listed threatened or endangered species, until consultation is concluded, the proposed activity cannot be authorized under SAJ-14.

- 11. No work shall be authorized by SAJ-14 which may have direct or indirect adverse effects on hard or soft corals, estuarine emergent, marine emergent, and/or the following species of submerged aquatic vegetation: shoal grass (*Halodule wrightii*), paddle grass (*Halophila decipiens*), star grass (*Halophila engelmanni*), Johnson's seagrass (*Halophila johnsonii*), sago pondweed (*Potamogeton pectinatus*), clasping-leaved pondweed (*Potamogeton perfoliatus*), widgeon grass (*Ruppia maritime*), manatee grass (*Syringodium filiforme*), turtle grass (*Thalassia testudinum*), tapegrass (*Vallisneria Americana*), horned pondweed (*Zannichellia palustris*), and eel grass (*Zostera marina*). Indirect effects include secondary and cumulative effects. In addition, the project cannot have adverse effects on any other essential fish habitat.
- 12. Except as noted in Special Condition 16 below, all subaqueous utility and/or transmission lines, authorized by this general permit must be installed a minimum of 4 feet below the bottom contour.
- 13. No utility and/or transmission lines will be embedded in the bottom of State Class I or Class II waters or aquatic preserves.
- 14. The discharge of dredged or fill material is authorized by this general permit for the installation, construction, maintenance, replacement, and/or repair of:
- a) Subaqueous utility and transmission lines and outfall and intake structures associated with the utility lines in all waters of the United States, excluding those areas listed in Special Condition 3 above, provided the discharge does not result in the permanent loss of greater than 1 acre of waters of the United States per two-mile in-water of the US segment of the project. NOTE: Waters of the United States temporarily affected by filling, flooding, excavation, or drainage, where the project area is restored to preconstruction contours and elevation, are not included in the calculation of permanent loss of waters of the United States. This includes temporary construction mats (e.g., timber, steel, geotextile) used during construction and removed upon completion of the work. Where certain functions and values of waters of the United States are permanently adversely affected, such as the conversion of a forested wetland to an herbaceous wetland, mitigation will be required to reduce the adverse effects of the project to the minimal level.
- b) Substations in non-tidal waters of the United States, excluding areas listed in Special Condition 3 above and all non-tidal wetlands adjacent to tidal waters, providing the discharge does not cause the permanent loss of greater than one-half acre of non-tidal waters of the United States.

- c) Access roads in non-tidal waters of the United States, excluding areas listed in Special Condition 3 above and all non-tidal wetlands adjacent to tidal waters, for the construction and maintenance of subaqueous utility transmission lines and substations, provided the discharge does not result in the permanent loss of greater than 1 acre of waters of the United States per two-mile in-water of the US segment of the project. NOTE: Access roads shall be the minimum width necessary. Access roads constructed under this permit shall be made of pervious materials such as sand, gravel, limestone, etc. Access roads must be constructed so that the length of the road minimizes the adverse effects on waters of the US and as near as possible to preconstruction contours and elevations (e.g., at grade corduroy roads or geotextile/gravel roads). Access roads constructed above preconstruction contours and elevations in waters of the US must be properly bridged or culverted to maintain surface flows. Access roads used solely for construction of the overhead power line must be removed upon completion of the work and the area restored to preconstruction contours, elevations, and wetland conditions.
- 15. No work shall be performed until after the permittee provides notification to the owner(s) or operator(s) of any marked utilities in the work area, unless the permittee is the same entity as the owner(s) or operator(s).
- 16. In all Florida counties east of Jefferson County, all subaqueous utility and/or transmission lines authorized by this general permit must be installed a minimum of 6 feet below the authorized depth of any Federal Channel it crosses. The 6-foot criterion applies to the entire authorized width of the channel, plus a minimum of 25 feet outside the channel edges to allow for maintenance of the side slopes. In all Florida counties from Jefferson County westward, the minimum clearance shall be 10 feet below the authorized channel depth.
- 17. Material resulting from trench excavation may be temporarily sidecast (up to three months) into waters of the United States, provided that the material is not placed in such a manner that it is dispersed by currents or other forces. The District Engineer may extend the period of temporary side casting not to exceed a total of 180 days, where appropriate. The top 6-12 inches of the trench should normally be backfilled with topsoil from the trench. Furthermore, the trench cannot be constructed in such a manner as to drain waters of the United States (e.g., backfilling with extensive gravel layers, creating a French drain effect). For example, utility line trenches can be backfilled with clay blocks to ensure that the trench does not drain the waters of the United States through which the utility line is installed. Any exposed slopes and stream banks must be stabilized immediately upon completion of the utility line crossing of each waterbody.
- 18. Dredged or fill material placed as backfill or bedding for subaqueous utility and transmission lines must not change the preconstruction bottom contours. Excess material must be moved to an upland disposal area.

- 19. The permittee will install signs at the shoreline to notify navigational interests of the location of subaqueous utility and transmission lines.
- 20. No project will be authorized under SAJ-14 if the proposed fill activity will result in upstream waters of the United States being removed from Federal jurisdiction.
- 21. Compensatory mitigation for unavoidable permanent impacts to waters of the United States will be required. To offset lost wetland and other aquatic resource functions, environmentally appropriate mitigation at a Federally-approved mitigation bank will be accepted. Mitigation undertaken at a Federally-approved mitigation bank will be at a ratio of 1:1 (impact acreage:credit). Mitigation not undertaken at a mitigation bank will be required to be in accordance with the guidelines found in the National Wetlands Mitigation Action Plan, which can be found at <a href="http://www.mitigationactionplan.gov/checklist.pdf">http://www.mitigationactionplan.gov/checklist.pdf</a>, and will provide offsetting functional mitigation using the uniform mitigation assessment methodology.
- 22. Turbidity controls measures may be required, and the work must be conducted so as to prevent violations of State Water Quality Standards as established in sections 62-4.242 and 62-4.244 of the Florida Administrative Code and Chapters 62-302, 62-520, 62-522, and 62-550 of the Florida Administrative Code.
- 23. Prior to the initiation of any construction, projects qualifying for this regional general permit must qualify for an exemption under section 403.813(2)(m) or (n), F.S., as applicable, or otherwise be authorized by the applicable permit required under Part IV of Chapter 373, F.S., by the Department of Environmental Protection, a water management district under section 373.069, F.S., or a local government with delegated authority under section 373.441, F.S., and receive Water Quality Certification (WQC) and applicable Coastal Zone Consistency Concurrence (CZCC) or waiver thereto, as well as any authorizations required for the use of state-owned submerged lands under Chapter 253, F.S., and, as applicable, Chapter 258, F.S.
- 24. Where the proposed subaqueous utility or transmission line is to be installed in navigable waters of the United States, at least two weeks prior to the start of the authorized work, the permittee must notify the National Oceanic Atmospheric Administration (NOAA) and the Corps' office in writing that the work is commencing, and again upon completion of the work. The permittee shall notify the District Engineer at the letterhead address, attention Regulatory Division, and NOAA, at Nautical Data Branch N/CS26, Station 7317, 1315 East-West Highway, Silver Spring, MD 20910-3282. This notification will include "as-built plans," signed and sealed by a registered surveyor/engineer licensed in the State of Florida, that certify the project is constructed as authorized, and must include an accurate (within plus or minus 1 foot) depiction of the location and configuration of the completed activity in relation to the mean high water of the navigable water.

25. No less than 60 days prior to the start of work, the State Historic Preservation Officer (SHPO) in Tallahassee, should be contacted by the permittee, or other party on the permittee's behalf. The SHPO will review the project area and provide written findings to the permittee, or other party.

If unexpected cultural resources are encountered at any time within the project area that was not the subject of a previous cultural resource assessment survey, work should cease in the immediate vicinity of such discoveries. The permittee, or other party, should notify the SHPO immediately, as well as the appropriate Army Corps of Engineers office. After such notifications, project activities should not resume without verbal and/or written authorization from the SHPO.

If unmarked human remains are encountered, all work shall stop immediately, and the proper authorities notified in accordance with Section 872.05, *Florida Statutes*, unless on Federal lands. After such notifications, project activities on non-Federal lands shall not resume without verbal and/or written authorization from the Florida State Archaeologist for finds under his or her jurisdiction.

- 26. This permit does not authorize stream channelization or the bank-to-bank filling, relocating and/or culverting of perennial or intermittent streams. The authorized activities must not increase flooding, or negatively impact the pre-project hydraulic flow characteristics or water quality of any affected stream.
- 27. Within 60 days of completion of the authorized work and mitigation, the attached <u>Self-Certification Statement of Compliance</u> must be completed and submitted to the Corps. Mail the completed form to the Jacksonville District, Enforcement Section, Post Office 4970, Jacksonville, Florida 32232-0019.
- 28. Fill material used with a project shall be limited to suitable, clean fill material, which excludes materials such as trash, debris, car bodies, asphalt, construction materials, concrete block with exposed reinforcement bars, and any soils contaminated with any toxic amounts (see Section 307 of the Clean Water Act).
- 29. Reduction and/or elimination of turbid water conditions and the erosion of disturbed or filled areas in adjacent water bodies and wetlands are to be achieved through the use of silt curtains, silt screens, or other appropriate erosion control measures, between the construction area and wetlands or surface waters, during periods of fill placement and construction. Such devices shall be properly maintained until such time as those disturbed areas become sufficiently stabilized by natural recruitment of vegetation or other measures.
- 30. Conformance with descriptions and quantities contained herein does not necessarily guarantee authorization under this regional general permit. The District Engineer reserves the right to require that any request for authorization under this regional general permit be evaluated as an individual permit.

- 31. Authorization under this regional general permit is void at any time if the information provided by the applicant in support of the permit application proves to have been false, incomplete, or inaccurate.
- 32. The permittee shall defend and hold the Government harmless from any and all claims by reason of the placement and installation of aerial transmission lines authorized by this permit.
- 33. For projects authorized under the SAJ-14 in navigable waters of the United States, the permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
- 34. SAJ-14 shall be valid for a period of five years from the date of issuance unless suspended or revoked by issuance of a public notice by the District Engineer. The Corps, in conjunction with the Federal resource agencies, will conduct annual reviews to ensure that continued use of the permit during the five-year authorization period is not contrary to the public interest. If SAJ-14 expires or is revoked prior to completion of the authorized work, authorization of activities that have commenced or are under contract to commence in reliance on SAJ-14 will remain in effect provided the activity is completed within 12 months of the date SAJ-14 expired or was revoked.
- 35. The permittee shall perform all work and subsequent actions in accordance with the attached general conditions.

BY AUTHORITY OF THE SECRETARY OF THE ARMY

Paul L. Grosskruger Colonel, U.S. Army District Engineer

# GENERAL CONDITIONS FOR DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMITS

### **General Conditions**

1.	The time limit for completing the work authorized ends on	
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- 2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
- 3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
- 4. If you sell the property associated with this permit, you must obtain the signature <u>and mailing address</u> of the new owner in the space provided below and forward a copy of the permit to this office to validate the transfer of this authorization.
- 5. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

# Further Information:

- 1. Limits of this authorization.
  - a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
  - b. This permit does not grant any property rights or exclusive privileges.
  - c. This permit does not authorize any injury to the property or rights of others.
  - d. This permit does not authorize interference with any existing or proposed Federal projects.
- 2. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
- a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
- b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
- c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
  - d. Design or construction deficiencies associated with the permitted work.
  - e. Damage claims associated with any future modification, suspension, or revocation of this permit.

- 3. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.
- 4. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:
  - a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 3 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.
- 5. Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.
- 6. When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEREE-SIGNATURE)	(DATE)
(NAME-PRINTED)	
(ADDRESS)	
GENERAL PERMIT	

Table 1
Federally Listed Species in Peninsula Florida

Federally listed and candidate species and designated critical habitat occurrences in Florida by County

Note: species may occur in suitable community types in counties that are not checked

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revised 9/28/00

# Federally listed and candidate species and designated critical habitat occurrences in Florida by County Note: species may occur in suitable community types in counties that are not checked

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Wood stork	Whooping crane	Roseate tern	Red-cockaded woodpecker	Piping plover	Florida scrub-jay	Florida grasshopper sparrow		Everglade snail kite		Cape Sable sesside sparrow	Baid cagle	Audubon's crested caracara	ľ		West Indian manatee	St. Andrew beach mouse	Southeastern beach mouse	l	Rice rat (=silver rice rat)		Perdido Key beach mouse	Lower Keys rabbit	Key Largo woodrat	Key Largo cotton mouse	Key deer	Indiana bat	Gray bat	ida sa	Puma (=mountain lion)	Florida panther		Choctawhatchee beach mouse	Anastasia Island beach mouse	Mammals (except whales)	
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✓ - Species occurs in county; E=Endangered; T=Threakned; C=Candidake; CH=Critical habitat designated; SA=Similarity of Appearance; XN=Nonessential experimental population

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T		Johnson's scagrass	Highlands scrub hypericum	7	Godfrey's butterwort	root	-	-ge	юп	Fragrant prickly-apple	Four-petal pawpaw	aus.	2	q.	Florida semaphore cactus	Florida prairie clover	Florida pineland crabgrass	Florida perforate cladonia	ľ	Florida golden aster	Florida brickell-bush	nia	агу	c	Crystal Lake nailwort	Crenulate lead-plant	Cooley's water-willow	wob	Chapman mododendron	Carter's small-flowered flax	ard	Cape Sable thoroughwort	Brooksville (=Robins') belflower	Britton's beargrass	Blodgett's silverbush	Big Pine partridge pea	٦	
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Wireweed	Wide-leaf warea	White birds-in-a-nest	Wedge spurge	Tiny polygala	Telephus spurge	Snakeroot	Small's milkpea	Short-leaved rosemary	Scrub plum	Scrub mint	Scrub lupine	Scrub buckwheat	Scrub blazing star	Sandlace	Sand flax	Rugel's pawpaw	Pygmy fringe-tree	Pincland sandmat	Pigeon wings	Papery whitlow-wort	Okeechobee gourd	Miccosukee gooseberry	Longspurred mint	Lewton's polygala		
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# FEDERAL THREATENED, ENDANGERED, AND OTHER SPECIES OF CONCERN LIKELY TO OCCUR IN THE FLORIDA PANHANDLE Compiled by U.S. Fish and Wildlife Service, October, 2003

		Status							,	:	)	•							
Common Name	Scienunc Name	State	TW3	Netural Communities		l			Pana	200	Panhandle Countle	2							
Gulf sturgeon	Acipenser oxyrinchus desotoi SSC	SSC	<b>-</b>	ESTUARINE: various MARINE: various habitats	Bay Cal	E .	۲ آئ	<u>ရှိ</u>	ହ	ē	ğ	Œ	8	£	8	5	¥	¥a.	Ž
		-	5	KIVEKINE: anuvial and blackwater streams	1	i 	-	-	-	<u>.</u>						į	ļ.,		
Okaloosa darter	Etheostoma okaloosae	m	m	RIVERINE: seepage stream			 :	+		:	!	7 -		Ī	Ş			¥	i
ABITHEUNIS & RETILES						L		+-	-	-	-	-		Ī				L	
American alligator	Alligator mississippiensis	SSC	T(s/a)	ESTUARINE: marshes, various habitats LACUSTRINE: marshes, swamps, various habitats PALUSTRINE: swamps, floodplains, marshes, various habitats RWRRINE: open water,	Bay C	Call Esc	٦ ت	ç	£	₹	Į,	į	8	5	Q.	Sen	Xak VVal	ž.	
Flatwoods salarmander	Ambystoma cingulatum	SSC	-	s, dome swamp, basin RIAL: mesic flatwoods etlands within this	Bey Cal	E E	ہ 1		£	₹	Ę			£	Ç S	S <b>S</b>	¥.	<b>§</b>	¥as:
Loggerhead turtle	Caretta caretta	-	=	IAL: sandy beaches; nesting	Bay	m:	F.		2						욡	S		§	
Green turtle	Chelonia mydas mydas	m	m		Bay	E S			2	i	-				8	<b>S</b>		£	-
Leatherback turtle	Demochelys coriacea	m	m		Bay	E S	٦ 2	i	ဥ	<del> </del>					ş	<b>S</b>		¥.	
Eastern indigo snake	Drymarchon corals couperi	Ŧ	Ä	!! hydric !: mesic :crub,	Bay Cal	EL En	م ت	<u>6</u>	£	Ī	Į.	Ę	8	F	ğ	S 5	Ě	¥	<b>\$</b>
Hawksbill turtle	Eretmochelys imbricata imbricata	m	m		97	m	بر ا		2			Į			Ş	S	×	¥	
Kemp's Ridley turtle	Lepidochelys kempi	m	m	TERRESTRIAL: sandy beaches; nesting	Bay	E S	5	-		- 4					Ş	8		§	
Piping plover	Charadrius melodus	٦	오ㄱ	ESTUARINE: exposed unconsolidated substrate MARINE: exposed unconsolidated substrate TERRESTRIAL: dunes, sandy beaches, and inlet areas. Mostly wintering and migrants.	887	m c	5 6 F	18	2	į	1	[5	[8	L	<u>မ</u>	Ses	Š		į
Baki eagle	Haliaeelus leucocephalus	-	-	np, open dges TERINE:	C 8		,	Ç,	·		į,	, t	8	£	_ :	Š	War.	¥ .	<b>§</b>
Wood stork	Mycteria americana	ш	m	USTRINE: floodplain	Bay Cal	2 m	ر م ت	ଜୁ	ह	₹,	Ä	Ē,	8	5	8	Š	¥	ž Š	<b>88</b>
Red-cockaded woodpecker MAMMALS:	Picoides borealis	7	П	ne forests	Bay Cal	E	ā	တ <u>ှ</u>	ይ	₹	5	Ę	8	£	9	8	¥	₹	
Gray bat	Myotis grisescens	m	m	PALUSTRINE: caves, various TERRESTRIAL:	_					ᅙ	¥		8					ار	Ş
	Myntic codalie	m!	π	PALUSTRINE various TERRESTRIAL various					·		ř					1		į	

Common Name	Scientific Name	Status Status	Status	Natural Communities				.		anhandle Countle	untie.						
Choctawhatchee beach	Peromyscus polionotus	:=t·		scrub. Bay	Bay	-		-				-[				<u></u>	
MOUSE	allophrys		9.	· * * 5 E		Marine and April States and Control of the S			The second secon				ALCOHOLOGICAL CONTRACTOR AND A STATE OF THE			and the state of t	
St. Andrew beach mouse	Peromyscus polionotus peninsularis	m		TERRESTRIAL: beach dune, coastal scrub. Bay Co. sites: Tyndall AFB (Crooked Island & mainland east to Mexico Beach canal), Gulf Co. sites: St. Joe Beach, St. Joseph Peninsula State Park, St. Joseph Peninsula, Cape San Blas (includes Eglin Joseph Pensula, Cape San Blas (mcludes Eglin AFB), Cape San Blas east to Money Bayou.	9				ይ	er open og er er er er er er er er er er er er er	~						
Perdido Key beach mouse	Peromyscus polionotus trissyllepsis	m	<b>₽</b> ™	TERRESTRIAL: beach dune, coastal scrub. Sites: Perdido Key State Rec. Area (CH), Gulf Islands National Seashore (CH).		E E											
West Indian manatee	Trichechus manatus latirostris	m		I vegetation, open water bmerged vegetation n, blackwater stream,	Bay	m	3 41		ទិ		Ę		to the grant to the	9	<u>\$</u>	¥	<u>-</u>
MVERTEBRATES:			-		Bary Cal	E E	F	o	5	ᆵ	5	8	F	9	5	*	Z Ž
Fat threeridge (mussel)	Ambiema neislerii	m		RIVERINE: main channels of small to large rivers, slow to moderate currents; various substrates (Panhandle watersheds: Apalachicola, Chipola)			2	ଚ <b>ଅ</b>	٤		8		F				
Chipola slabshell (mussel)	Eliptio chipolaensis		**************************************	RIVERINE: main channel of the Chipola River and its larger tributaries; prefers muddy sand and sandy clay substrates, but also found in silty sand substrates (Panhandle watersheds: Chipola upstream of Dead Lake)	ဥ	L			٤		· · · · · · · · · · · · · · · · · · ·						****
Purple bankclimber (mussel) Elliptoideus stoatianus	Elliptoideus stoatianus			RIVERINE: small to large rivers in slow to moderate currents over sand, sand mixed with mud, or gravel substrates (Panhandle watersheds: Apalachicola, Ochbockonee)	ဥ		3	G 8	5		<b>8</b>	8	동			Ž.	
Narrow pigitoe	Fusconaia escambia		(n)	Riverine: small to medium-sized creeks and rivers with slow to moderate current over gravel, and gravel mixed with sand or some silt. Endemic to the Escambia and Yellow River drainages of Alabama and Florida										<u>.</u>	San		<del></del>
Round eborryshell	Fusconaia rotulata		C (E)	Riverine: Endemic and restricted to the main channel of the Conecuh River AL, and Escambia River, FL		E SC									San		

	Oka San	100 - 1,000 0000 12 10.00 000 - 1,000 000 00 000 000							TERRESTRIAL: coastal strand, rosemary scrub; full sun. Sites: Eg§n AFB Santa Rosa/Okaloosa Island.	m	ш	Cladonia perforata	Perforate reindeer lichen
-													PLANTS:
Was	Oka San			E			E S	Companyor and the age of the later	Riverine: Small to large creets and rivers with moderate current over sand to sity-sand substrates Endemic to the Escambia, Yellow, and Choctawhatchee River dramages of Alabama and Florida.	C (E)		Villosa choclawensis	Choctaw bean
Wal Was			ac .	£				The state of the state of the state of	Riverine: Small to medium-sized creeks to large rivers in stable sand or sand and gravel substrata, occasionally occurring in sity sand in slow to moderate current. Endernic to the Choctawhatchee River drainage of Alabama and Florida.	e e	To the same and th	Quincuncina burkei	tapered pigloe
Was Was							to programming the state of the	attendan, same of the plantacing last to see a text	Riverine: small to medium-sized creeks and rivers in sand with some sit or substrates, claystone pockets with sand. Endemic to Escambia, Yellow, and Choclawhatchee River drainages in Alabama and Florida.	C(E)		Plychobranchus jonesi	Southern kidneyshell
Wai Was	Seg			₹	A comment of the comm		E	/ ig man salatage in their papers on a salation of	Riverine: small to medium-sized creeks and rivers with slow to moderate currents in sand and sand with some sit. Endemic to the Escambia, Yellow, and Choclawhatchee River drainages of Alabama and Florida.	C (E)	1	Pleurobema strodeanum	Fuzzy pigtoe
Wex		<b>§</b>	8		5 89 89	3	P.	Bay		Е		Pleurobema pyriforme	Oval pigitoe (mussel)
		8			2				RIVERINE: large creeks to medium-sized rivers in substrates of sand with some gravel in moderate current (Panhandle watersheds: Ochlockonee upstream of Lake Talquin)			Medionidus simpsonianus	Ochlockonee moccasinshell (mussel)
		F	į	· · · · · · · · · · · · · · · · · · ·	<u>6</u>	3		Bay Ca	: 50 😤			Medionidus penicillatus	Gulf moccasinshell (mussel)
Į.		E .	ĥ		<u>වි</u>	3	<u>.</u>	£	RIVERINE: medium-sized creeks to mainstem rivers; clean or silty sand substrates, in slow to moderate currents (Panhandle watersheds: Chipola Ochlockonee upstream of Lake Talquin)	m		Lampsilis subangulata	Shinyrayed pocketbook (mussel)
Wai Was	Oka		<b>a</b> c	<u> </u>			The second secon		Riverine: found in small to medium-sized creeks and rivers in with slow to moderate currents over sandy substrates sometimes with some sit.  Endernic to the Escambia, Yellow, and Choctswhatchee River drainages of Alabama and Florida	(f)	***************************************	Lampsilis australis	Southern sandshell
	· . :		ountles	andie Counties	Panh				Natural Communities		Status	Scientific Name	Common Name

den Gul≃Gulf oosa San≈Saml	Counties: Bay≂Bay Cal=Calhoun Esc=Escambia Fra=Franklin Gad=Gadsden Gul=Gulf Hol=Holmes Jac=Jackson Jef≈Jefferson Leo=Leon Lib=Libarty Oka=Okaloosa San=Santa Rosa Walc=Wakulfa Wal=Walton Was=Washington	ambia Fra≕ xo=Leon Lii xn	ithoun Esc≔Escan Jef≃Jefferson Leo Was≃Washington		Counties: Bay=Bay Cal=C Hol=Holmes Jac=Jackson Wak=Wakuita Wal=Walton	ounties: ol=Holme				Call for the seal for	
	Ę	Jac .		G			TERRESTRIAL: slope forest, upland mixed forest, and ravines.	æ	m	Torreya taxifolia	Florida torreya
¥	- Alexander - , , , , , , , , , , , , , , , , , ,						PALUSTRINE: seepage slope, edges of shrub bogs, disturbed areas; one site on Champion International Corp. land	m	m	Thalictrum cooleyi	Cooley's meadownue
	•	je C		6		C E	TERRESTRIAL: mixed hardwood forest, rich humus		П	Spigelia gentianoides	Gentian pinkroot
		ğ		g E			TERRESTRIAL: upland mixed forest, slope forest, and along utility comdors in appropriate habitats.		Е	Silene polypetala	Fringed campion
7	F		Ē		3	89	PALUSTRINE: seepage slope, wet flatwoods, grassy openings TERRESTRIAL: mesic flatwoods	-	m	Scutellaria floridana	Florida skulicap
	8			Ç.		: 	PALUSTRINE: wet prairie TERRESTRIAL: scrub, sandhill, mesic flatwoods	m	m	Schwalbea americana	American chaffseed
		Į.					TERRESTRIAL: upland mixed forest, upland hardwood forest. Only known sites along east bank of Lake Microsukee.		m	Ribes echinellum	Miccosukee gooseberry
	<b>F</b>		Ē	6. 8.			PALUSTRINE: seepage slope (itit bog) TERRESTRIAL: mesic flatwoods; ecotone between flatwoods or more xeric longleaf communities and titi bogs.		ш	Rhododendron chapmanii	Chapman's mododendron
Miller State of Francisco State of Stat	5	was ward	€		Fra	Bay	PALUSTRINE: wet flatwoods, wet prairie, bog; in shallow water RIVERINE: seepage slope; in shallow water. Also, roadside ditches and similar habitat.		т	Pingukula konantha	Godfrey's (violet) butterwort
		ğ				Bey	arst sandhill lake margins	7	m.	Paronychia chartacea minima E	Crystal Lake nailwort
	5		2		3	B <b>9</b> 7	TERRESTRIAL: Wannahs, roadsides	-	m	Macbridea alba	White birds-in-a-nest
	F			<b>a</b>	Fra		PALUSTRINE: wet praine, seepage slope, roadsides, edges of bit swamps	П	т	Harperocallis flava	Harper's beauty
			€.		ā	9	TERRESTRIAL: mesic flatwoods; disturbed wiregrass (Aristida stricta) areas, coastal scrub. All thoown sites are within 4 miles of Gulf of Mexico.	7	m	Euphorbie telephioides	Telephus spurge
21 F	5			er enemale de la Table Manace especiale e		The second second second	TERRESTRIAL: sandhill dissected by ravines of the Sweetwater Creek system. Light shade to full sunlight; along edges of ravines, pine plantations, and roadsides.	m	m	Conradina glabra	Apalachicola rosemary
		Countles	Panhandle Counties	3			Natural Communities	State FWS	State	Scientific Name	Common Name

Table 3				
			in Florida	
consult	ation for	SAJ 14	2006 - Subaqueous Utility and Transmission Lines	
			Animala	
<b>-</b> :	4	Ctatus	Animals	
rinaing	Agency	Status	Species Listing	
		_	MAMMALS	
NE	FWS	E	Deer, Key (Odocoileus virginianus clavium)	
/ANLAA*	FWS	E	Manatee, West Indian (Trichechus manatus)	
MANLAA	FWS	E	Mouse, Anastasia Island beach (Peromyscus polionotus phasma)	
MANLAA*	FWS	E	Mouse, Choctawhatchee beach (Peromyscus polionotus allophrys)	
NE	FWS	E	Mouse, Key Largo cotton (Peromyscus gossypinus allapaticola)	
MANLAA*	FWS	E	Mouse, Perdido Key beach (Peromyscus polionotus trissyllepsis)	
MANLAA	FWS	T	Mouse, southeastern beach (Peromyscus polionotus niveiventris)	
MANLAA	FWS	E	Mouse, St. Andrew beach (Peromyscus polionotus peninsularis)	
MANLAA	FWS	E	Panther, Florida (Puma concolor coryi)	
NE	FWS	E	Rabbit, Lower Keys marsh (Sylvilagus palustris hefneri)	
NE*	FWS	E	Rice rat (lower FL Keys) (Oryzomys palustris natator)	
NE	FWS	E	Vole, Florida salt marsh (Microtus pennsylvanicus dukecampbelli)	
NE	NMFS	E	Whale, finback (Balaenoptera physalus)	
NE	NMFS	E	Whale, humpback (Megaptera novaeangliae)	
MANLAA*	NMFS	E	Whale, right (Balaena glacialis)	
NE	FWS	E	Woodrat, Key Largo (Neotoma floridana smalli)	
			BIRDS	
MANLAA	FWS	Т	Caracara, Audubon's crested (FL pop.) (Polyborus plancus audubonii)	
MANLAA	FWS	Т	Eagle, bald (Haliaeetus leucocephalus)	
MANLAA	FWS	Т	Jay, Florida scrub (Aphelocoma coerulescens)	
MANLAA*	FWS	E	Kite, Everglade snail (Rostrhamus sociabilis plumbeus)	
MANLAA*	FWS	Т	Plover, piping (Charadrius melodus)	
MANLAA*	FWS	E	Sparrow, Cape Sable seaside (Ammodramus(=Ammospiza) maritimus mirabilis)	
MANLAA	FWS	E	Sparrow, Florida grasshopper (Ammodramus savannarum floridanus)	
MANLAA	FWS	E	Stork, wood (Mycteria americana)	
MANLAA	FWS	Т	Tern, Roseate (Sterna dougallii dougallii)	
MANLAA	FWS	Е	Woodpecker, red-cockaded (Picoides borealis)	
			REPTILES & AMPHIBIANS	
MANLAA*	FWS	E	Crocodile, American (Crocodylus acutus)	
MANLAA	FWS	Т	Salamander, flatwoods (Ambystoma cingulatum)	
MANLAA	NMFS/FW	Т	Sea turtle, green (Chelonia mydas)	
MANLAA	NMFS/FW	E	Sea turtle, hawksbill (Eretmochelys imbricata)	
MANLAA	NMFS/FW	E	Sea turtle, Kemp's ridley (Lepidochelys kempii)	
MANLAA	NMFS/FW	E	Sea turtle, leatherback (Dermochelys coriacea)	
MANLAA	NMFS/FW	Т	Sea turtle, loggerhead (Caretta caretta)	
MANLAA	FWS	Т	Skink, bluetail mole (Eumeces egregius lividus)	
MANLAA	FWS	Т	Skink, sand (Neoseps reynoldsi)	
MANLAA	FWS	Т	Snake, Atlantic salt marsh (Nerodia clarkii taeniata)	
MANLAA	FWS	Т	Snake, eastern indigo (Drymarchon corais couperi)	
			FISH	
MANLAA	FWS	Ε	Darter, Okaloosa (Etheostoma okaloosae)	
MANLAA	NMFS	Ε	Sawfish, Smalltooth (Pristis pectinata)	
MANLAA*	NMFS/FW	T	Sturgeon, Gulf (Acipenser oxyrinchus desotoi)	

MANLAA	NMFS	E	Sturgeon, shortnose (Acipenser brevirostrum)	
			INVERTEBRATES	
MANLAA	FWS	Т	Bankclimber, purple (Elliptoideus sloatianus)	
MANLAA	FWS	С	Bean, Choctaw (Villosa choctawensis)	-
MANLAA	FWS	С	Beetle, Highlands tiger (Cicindela highlandensis)	
MANLAA	FWS	С	Butterfly, Miami Blue (Cyclargus (=Hemiargus) thomasi bethunebakeri)	
MANLAA	FWS	E	Butterfly, Schaus swallowtail (Heraclides aristodemus ponceanus)	<del></del>
MANLAA	NMFS	C	Coral, Elkhorn (Acropora palmata)	
MANLAA	NMFS	С	Coral, Staghorn(Acropora cervicornis)	
MANLAA	FWS	С	Ebonyshell, round (Fusconaia Rotulata)	
MANLAA	FWS	С	Kidneyshell, southern (Ptychobranchus jonesi)	
MANLAA	FWS	E	Moccasinshell, Gulf (Medionidus penicillatus)	
MANLAA	FWS	E	Moccasinshell, Ochlockonee (Medionidus simpsonianus)	
MANLAA	FWS		Pigtoe, fuzzy (Pleurobema strodeanum)	
MANLAA	FWS	c	Pigtoe, narrow (Fusconaia escambia)	
MANLAA	FWS	E	Pigtoe, oval (Pleurobema pyriforme)	
MANLAA	FWS	C	Pigtoe, tapered (Quincuncina burkei)	-
MANLAA	FWS	E	Pocketbook, shinyrayed (Lampsilis subangulata)	
MANLAA	FWS	C	Sandshell, southern (Lampsilis australis)	
NE	FWS	T	Snail, Stock Island tree (Orthalicus reses)	
MANLAA	FWS	<del>_</del>	Slabshell, Chipola (Elliptio chipolaensis)	
MANLAA	FWS	Ė	Three-ridge, fat (Amblema neislerii)	
IVI/AI AL/OX	1770		Three-noge, lat (Ambienta heisieth)	
			Plants	
Eindina	Agency	Status	Plants Species Listing	
mumy	Ayency	Otatus	opecies Listing	
MANLAA	FWS	E	Aster, Florida golden (Chrysopsis floridana)	
MANLAA	FWS		Aster, Georgia (Symphyotrichum georgianum)	
MANLAA	FWS	E	Beargrass, Britton's (Nolina brittoniana)	
MANLAA	FWS	E	Beauty, Harper's (Harperocallis flava)	
MANLAA	FWS	E	Bellflower, Brooksville (Campanula robinsiae)	
MANLAA	FWS		Birds-in-a-nest, white (Macbridea alba)	
MANLAA	FWS	Ë	Blazingstar, scrub (Liatris ohlingerae)	
MANLAA	FWS	<del>_</del>	Bonamia, Florida (Bonamia grandiflora)	
MANLAA	FWS			
MANLAA	FWS	T	Brickell-bush, Florida (Brickellia mosieri)	
	L AAS	- 1	Buckwheat, scrub (Eriogonum longifolium gnaphalifolium)	1
	EME			
MANLAA	FWS	С	Bully, Everglades (Sideroxylon reclinatum ssp. Austrofloridense)	
MANLAA MANLAA	FWS	Т	Butterwort, Godfrey's (Pinguicula ionantha)	
MANLAA MANLAA NE	FWS FWS	T C	Butterwort, Godfrey's ( <i>Pinguicula ionantha</i> ) Cactus, Florida semaphore ( <i>Consolea corallicola</i> )	
MANLAA MANLAA NE NE	FWS FWS FWS	T C E	Butterwort, Godfrey's ( <i>Pinguicula ionantha</i> ) Cactus, Florida semaphore ( <i>Consolea corallicola</i> ) Cactus, Key tree ( <i>Pilosocereus robinii</i> )	
MANLAA MANLAA NE NE MANLAA	FWS FWS FWS	T C E E	Butterwort, Godfrey's (Pinguicula ionantha) Cactus, Florida semaphore (Consolea corallicola) Cactus, Key tree (Pilosocereus robinii) Campion, fringed (Silene polypetala)	
MANLAA MANLAA NE NE MANLAA MANLAA	FWS FWS FWS FWS	T C E E	Butterwort, Godfrey's (Pinguicula ionantha) Cactus, Florida semaphore (Consolea corallicola) Cactus, Key tree (Pilosocereus robinii) Campion, fringed (Silene polypetala) Chaffseed, American (Schwalbea americana)	
MANLAA NE NE MANLAA MANLAA MANLAA	FWS FWS FWS FWS FWS FWS	T C E E E	Butterwort, Godfrey's (Pinguicula ionantha) Cactus, Florida semaphore (Consolea corallicola) Cactus, Key tree (Pilosocereus robinii) Campion, fringed (Silene polypetala) Chaffseed, American (Schwalbea americana) Cladonia, Florida perforate (Cladonia perforata)	
MANLAA NE NE MANLAA MANLAA MANLAA	FWS FWS FWS FWS FWS FWS	T C E E E	Butterwort, Godfrey's (Pinguicula ionantha) Cactus, Florida semaphore (Consolea corallicola) Cactus, Key tree (Pilosocereus robinii) Campion, fringed (Silene polypetala) Chaffseed, American (Schwalbea americana) Cladonia, Florida perforate (Cladonia perforata) Crabgrass, Florida pineland (Digitaria pauciflora)	
MANLAA NE NE MANLAA MANLAA MANLAA MANLAA MANLAA	FWS FWS FWS FWS FWS FWS FWS FWS	T C E E E C C	Butterwort, Godfrey's (Pinguicula ionantha) Cactus, Florida semaphore (Consolea corallicola) Cactus, Key tree (Pilosocereus robinii) Campion, fringed (Silene polypetala) Chaffseed, American (Schwalbea americana) Cladonia, Florida perforate (Cladonia perforata) Crabgrass, Florida pineland (Digitaria pauciflora) Flax, Carter's small-flowered (Linum carteri carteri)	
MANLAA NE NE MANLAA MANLAA MANLAA MANLAA MANLAA NE	FWS FWS FWS FWS FWS FWS FWS FWS FWS	T C E E C C C C	Butterwort, Godfrey's (Pinguicula ionantha) Cactus, Florida semaphore (Consolea corallicola) Cactus, Key tree (Pilosocereus robinii) Campion, fringed (Silene polypetala) Chaffseed, American (Schwalbea americana) Cladonia, Florida perforate (Cladonia perforata) Crabgrass, Florida pineland (Digitaria pauciflora) Flax, Carter's small-flowered (Linum carteri carteri) Flax, sand (Linum arenicola)	
MANLAA NE MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA NE MANLAA	FWS FWS FWS FWS FWS FWS FWS FWS FWS FWS	T C E E C C C E	Butterwort, Godfrey's (Pinguicula ionantha)  Cactus, Florida semaphore (Consolea corallicola)  Cactus, Key tree (Pilosocereus robinii)  Campion, fringed (Silene polypetala)  Chaffseed, American (Schwalbea americana)  Cladonia, Florida perforate (Cladonia perforata)  Crabgrass, Florida pineland (Digitaria pauciflora)  Flax, Carter's small-flowered (Linum carteri carteri)  Flax, sand (Linum arenicola)  Fringe-tree, pygmy (Chionanthus pygmaeus)	
MANLAA NE NE MANLAA MANLAA MANLAA MANLAA MANLAA NE MANLAA MANLAA	FWS FWS FWS FWS FWS FWS FWS FWS FWS FWS	T C E E C C C E T	Butterwort, Godfrey's (Pinguicula ionantha)  Cactus, Florida semaphore (Consolea corallicola)  Cactus, Key tree (Pilosocereus robinii)  Campion, fringed (Silene polypetala)  Chaffseed, American (Schwalbea americana)  Cladonia, Florida perforate (Cladonia perforata)  Crabgrass, Florida pineland (Digitaria pauciflora)  Flax, Carter's small-flowered (Linum carteri carteri)  Flax, sand (Linum arenicola)  Fringe-tree, pygmy (Chionanthus pygmaeus)  Gooseberry, Miccosukee (Ribes echinellum)	
MANLAA NE NE MANLAA MANLAA MANLAA MANLAA NE MANLAA MANLAA NE MANLAA MANLAA MANLAA	FWS FWS FWS FWS FWS FWS FWS FWS FWS FWS	T C E E C C C E T E	Butterwort, Godfrey's (Pinguicula ionantha) Cactus, Florida semaphore (Consolea corallicola) Cactus, Key tree (Pilosocereus robinii) Campion, fringed (Silene polypetala) Chaffseed, American (Schwalbea americana) Cladonia, Florida perforate (Cladonia perforata) Crabgrass, Florida pineland (Digitaria pauciflora) Flax, Carter's small-flowered (Linum carteri carteri) Flax, sand (Linum arenicola) Fringe-tree, pygmy (Chionanthus pygmaeus) Gooseberry, Miccosukee (Ribes echinellum) Gourd, Okeechobee (Cucurbita okeechobeensis okeechobeensis)	
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MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA	FWS FWS FWS FWS FWS FWS FWS FWS FWS FWS	T C E E C C C C E T E E E E E E E E E E	Butterwort, Godfrey's (Pinguicula ionantha) Cactus, Florida semaphore (Consolea corallicola) Cactus, Key tree (Pilosocereus robinii) Campion, fringed (Silene polypetala) Chaffseed, American (Schwalbea americana) Cladonia, Florida perforate (Cladonia perforata) Crabgrass, Florida pineland (Digitaria pauciflora) Flax, Carter's small-flowered (Linum carteri carteri) Flax, sand (Linum arenicola) Fringe-tree, pygmy (Chionanthus pygmaeus) Gooseberry, Miccosukee (Ribes echinellum) Gourd, Okeechobee (Cucurbita okeechobeensis okeechobeensis) Harebells, Avon Park (Crotalaria avonensis) Hypericum, highlands scrub (Hypericum cumulicola)	
MANLAA  NE  MANLAA   FWS FWS FWS FWS FWS FWS FWS FWS FWS FWS	T C E E C C C C E E E E C C	Butterwort, Godfrey's (Pinguicula ionantha) Cactus, Florida semaphore (Consolea corallicola) Cactus, Key tree (Pilosocereus robinii) Campion, fringed (Silene polypetala) Chaffseed, American (Schwalbea americana) Cladonia, Florida perforate (Cladonia perforata) Crabgrass, Florida pineland (Digitaria pauciflora) Flax, Carter's small-flowered (Linum carteri carteri) Flax, sand (Linum arenicola) Fringe-tree, pygmy (Chionanthus pygmaeus) Gooseberry, Miccosukee (Ribes echinellum) Gourd, Okeechobee (Cucurbita okeechobeensis okeechobeensis) Harebells, Avon Park (Crotalaria avonensis) Hypericum, highlands scrub (Hypericum cumulicola) Indigo, Florida (Indigofera mucronata keyensis)		
MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA MANLAA	FWS FWS FWS FWS FWS FWS FWS FWS FWS FWS	T C E E C C C C E T E E E E E E E E E E	Butterwort, Godfrey's (Pinguicula ionantha) Cactus, Florida semaphore (Consolea corallicola) Cactus, Key tree (Pilosocereus robinii) Campion, fringed (Silene polypetala) Chaffseed, American (Schwalbea americana) Cladonia, Florida perforate (Cladonia perforata) Crabgrass, Florida pineland (Digitaria pauciflora) Flax, Carter's small-flowered (Linum carteri carteri) Flax, sand (Linum arenicola) Fringe-tree, pygmy (Chionanthus pygmaeus) Gooseberry, Miccosukee (Ribes echinellum) Gourd, Okeechobee (Cucurbita okeechobeensis okeechobeensis) Harebells, Avon Park (Crotalaria avonensis) Hypericum, highlands scrub (Hypericum cumulicola)	

MANLAA	FWS	E	Meadowrue, Cooley's (Thalictrum cooleyi)	
MANLAA	FWS	E	Milkpea, Small's (Galactia smallii)	
MANLAA	FWS	E	Mint, Garrett's (Dicerandra christmanii)	
MANLAA	FWS	E	Mint, Lakela's (Dicerandra immaculata)	
MANLAA	FWS	E	Mint, longspurred (Dicerandra cornutissima)	
MANLAA	FWS	E	Mint, scrub (Dicerandra frutescens)	
MANLAA	FWS	E	Mustard, Carter's (Warea carteri)	
MANLAA	FWS	Е	Pawpaw, beautiful (Deeringothamnus pulchellus)	
MANLAA	FWS	Е	Pawpaw, four-petal (Asimina tetramera)	
MANLAA	FWS	E	Pawpaw, Rugel's (Deeringothamnus rugelii)	
NE	FWS	С	Pea, Big Pine partridge (Chamaecrista lineata keyensis)	
MANLAA	FWS	Т	Pigeon wings (Clitoria fragrans)	
MANLAA	FWS	E	Pinkroot, gentian (Spigelia gentianoides)	
MANLAA	FWS	E	Plum, scrub (Prunus geniculata)	
MANLAA	FWS	E	Polygala, Lewton's (Polygala lewtonii)	
MANLAA	FWS	E	Polygala, tiny (Polygala smallii)	
MANLAA	FWS	E	Pondberry (Lindera melissifolia)	
MANLAA	FWS	С	Prairie-clover, Florida (Dalea carthagenensis floridana)	
MANLAA	FWS	E	Prickly-apple, fragrant (Cereus eriophorus fragrans)	
MANLAA	FWS	E	Rhododendron, Chapman (Rhododendron chapmanii)	
MANLAA	FWS	Е	Rosemary, Apalachicola (Conradina glabra)	
MANLAA	FWS	E	Rosemary, Etonia (Conradina etonia)	
MANLAA	FWS	E	Rosemary, short-leaved (Conradina brevifolia)	
MANLAA	FWS	E	Sandlace (Polygonella myriophylla)	
MANLAA	FWS	С	Sandmat, pineland (Chamaesyce deltoidea pinetorum)	
MANLAA*	NMFS	Т	Seagrass, Johnson's (Halophila johnsonii)	
MANLAA	FWS	С	Silverbrush, Blodgett's (Argythamnia blodgettii)	
MANLAA	FWS	Т	Skullcap, Florida (Scutellaria floridana)	
MANLAA	FWS	E	Snakeroot (Eryngium cuneifolium)	
MANLAA	FWS	E	Spurge, deltoid (Chamaesyce deltoidea deltoidea)	
MANLAA	FWS	Ť	Spurge, Garber's (Chamaesyce garberi)	
MANLAA	FWS	T	Spurge, telephus (Euphorbia telephioides)	
NE	FWS	С	Spurge, wedge (Chamaesyce deltoidea serpyllum)	
NE	FWS	С	Thoroughwort, Cape Sable (Chromolaena frustrata)	
MANLAA	FWS	E	Torreya, Florida (Torreya taxifolia goveniana)	
MANLAA	FWS	Е	Warea, wide-leaf (Warea amplexifolia)	
MANLAA	FWS	E	Water-willow, Cooley's (Justicia cooleyi)	
MANLAA	FWS	Т	Whitlow-wort, papery (Paronychia chartacea)	
MANLAA	FWS	Е	Wireweed (Polygonella basiramia)	
MANLAA	FWS	E	Ziziphus, Florida (Ziziphus celata)	